SANTINT 三华

V360 Mixer
User Manual

Read this manual before use

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I. Introduction

V360 Manual Clamping Mixer is designed for paint mixing. Main features include:

- Ergonomic design and clear viewing door facilitate observation of mixing process.
- Viewing door with electronic lock to protect the mixer from starting up while the door is open and to stop the door from being opened during operation.
- Manual clamping structure is compact, simple to operate and a low issue rate.
- An Electronic magnet ensures a safeguard for the mixer and paint container.
- Rotary door is convenient and reliable.
- The pulling-out lower tray makes locating the can a snap.

II. Technical Specifications

- Power supply：See the nameplate
- Power：0.75kw
- Mixing Speed：125-175r/min
- Distance between upper and bottom plate：70mm～400 mm
- Paint can volume compatibility：1L～20 L
- Applicable cans：MAX Diameter: 30~275mm，Height: 70~400mm
- Dimension（Length X Width X Height）： 880 mm X760 mm X1080 mm
- Net Weight：170kg
- Noise：<70dB(A)
- Mixing Time：See the Mixing Time Table

III. Safety Instructions

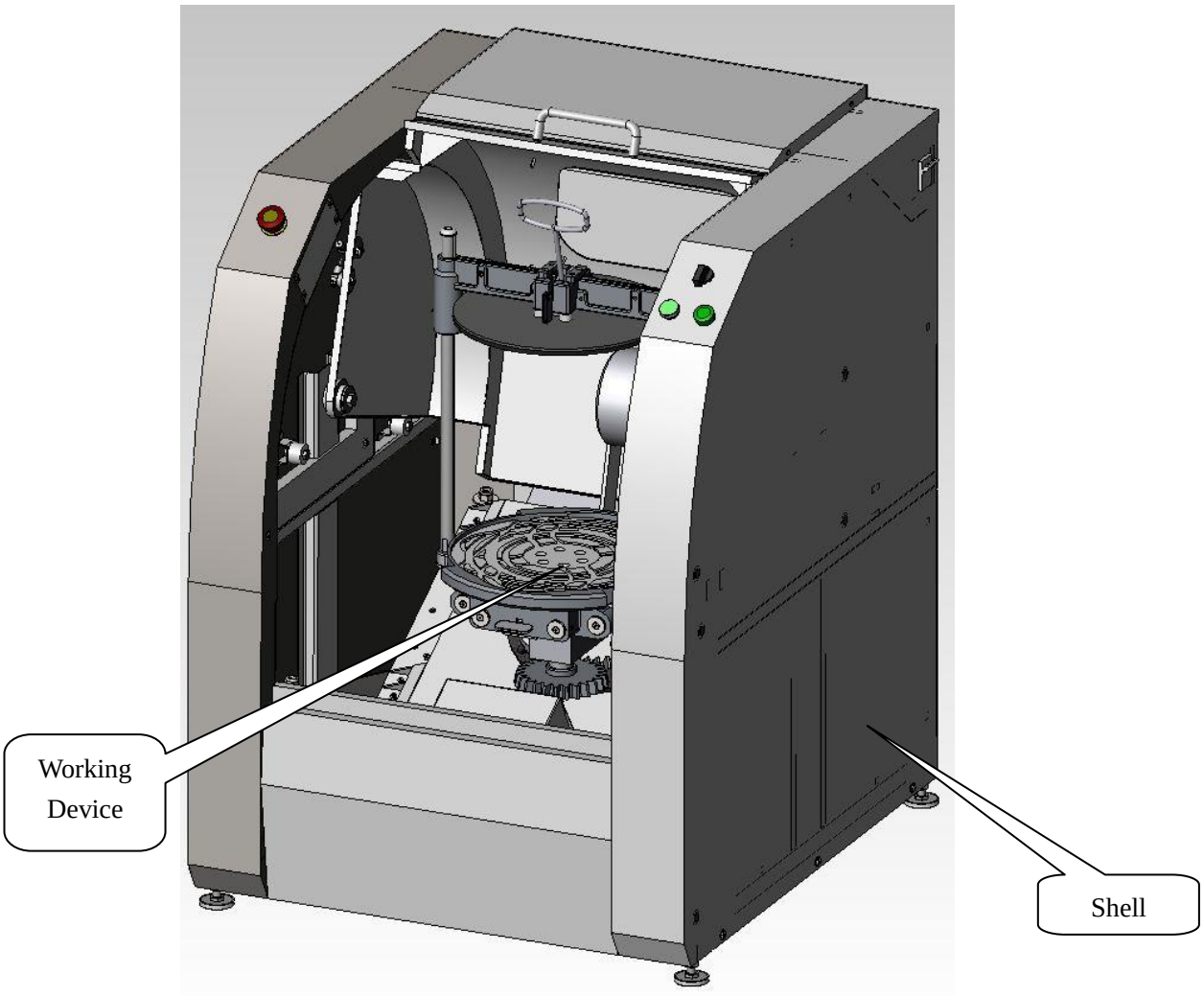
- Warning Labels：

Danger of Electric Shock! Power source must be cut off before any cleaning or maintenance.

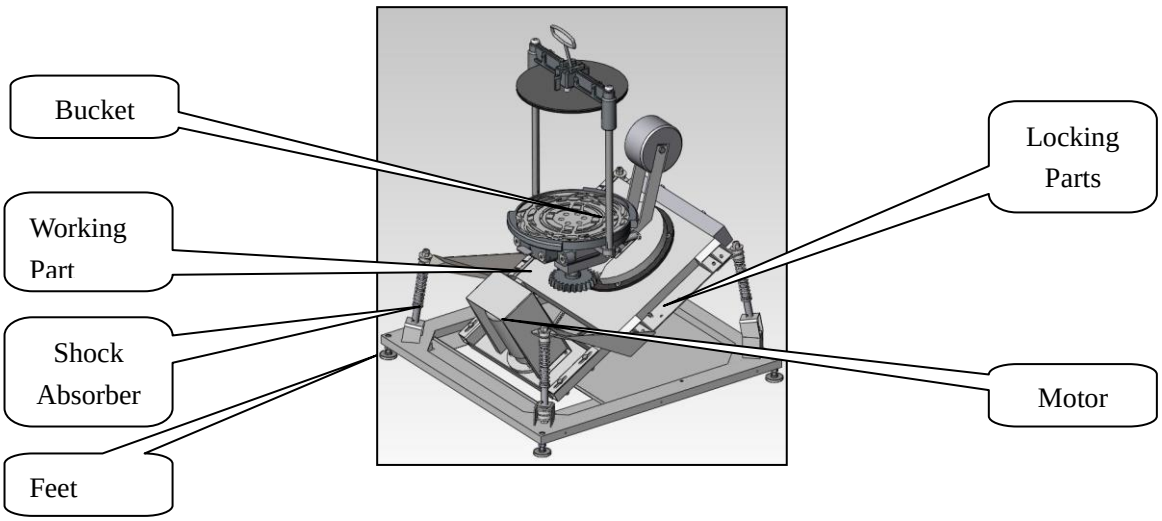
Important information! Read it carefully.

- Power supply：see nameplate. Environment temperature：5ºC~50ºC，Relative humidity: 15%~90%；
- Read this manual carefully before installing and using the mixer. Do not let children or unauthorized personnel operate the mixer.
- Before carrying out any repairs or maintenance, unplug mixer from power source. It is strictly prohibited to perform repairs or maintenance before disconnecting the mixer or while it is in operation.
- Do not use an improper extension cable. Please disconnect the mixer when not in use for an extended period of time.
- Before use, please adjust the four feet to level the mixer securely to the ground.
- Wait 5s after mixer has stopped before opening the door. Do not open the door during mixing.

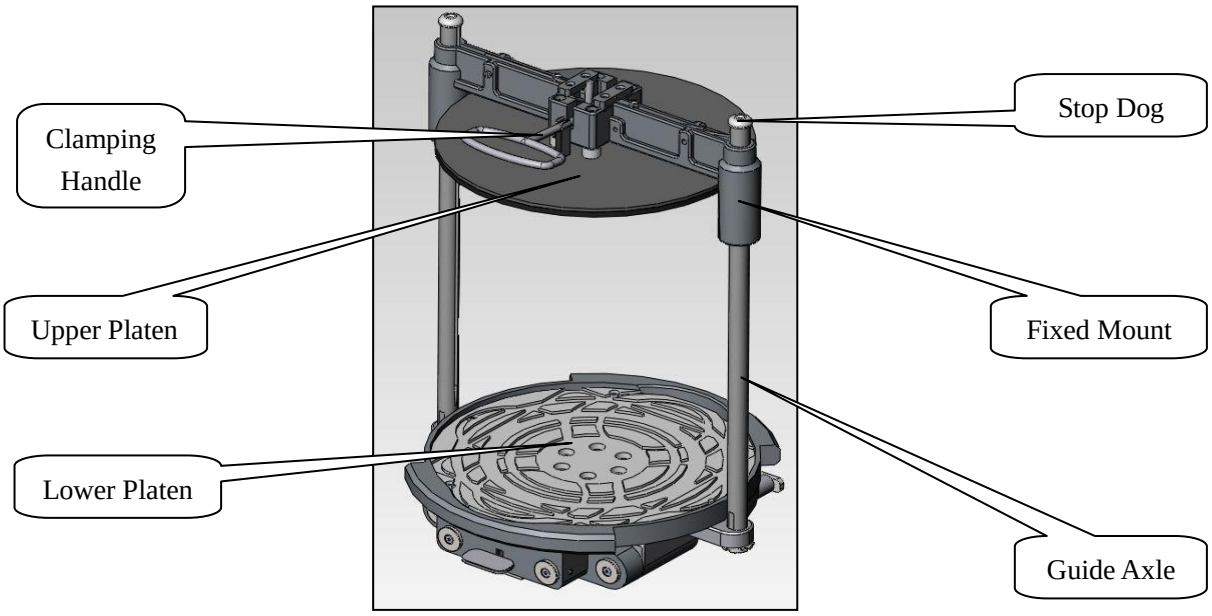
IV. Mixer Structure



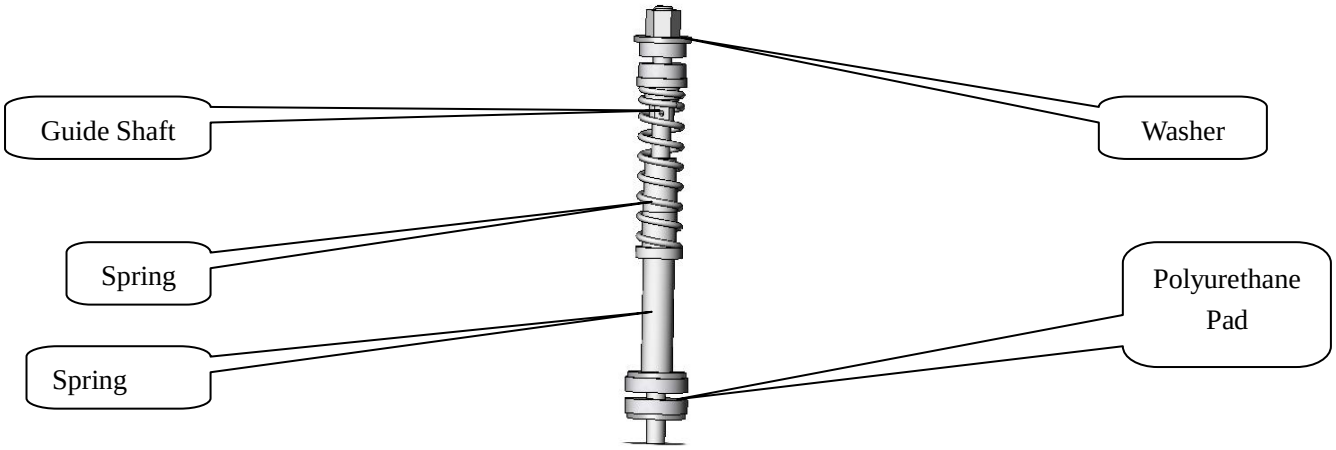
Overall Structure



Working Device

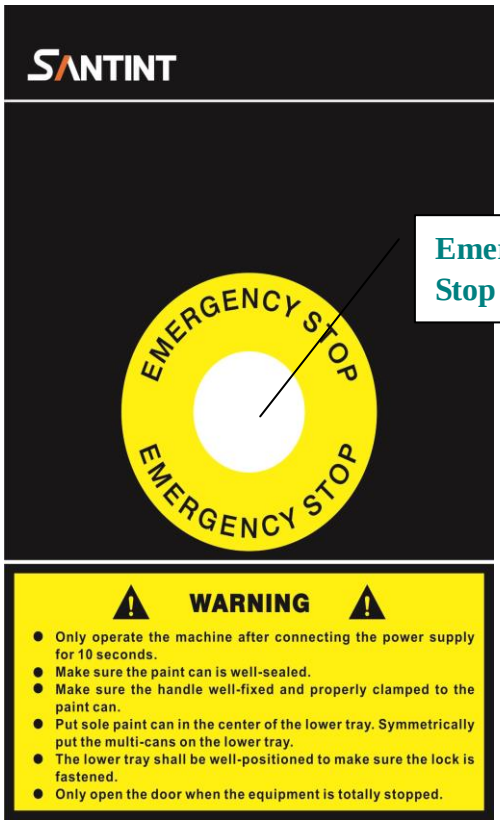


Rotary Bucket Unit

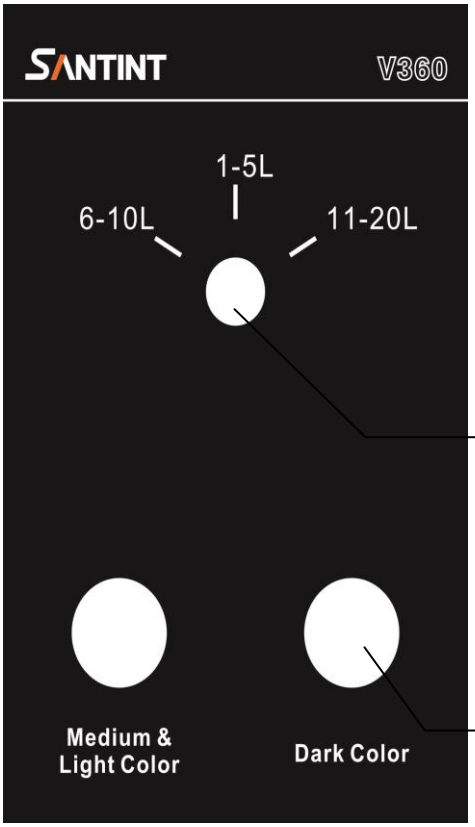


Shock Absorber Unit

V. Control Panel


SANTINT
EMERGENCY STOP
EMERGENCY STOP
WARNING
Only operate the machine after connecting the power supply for 10 seconds.
Make sure the paint can is well-sealed.
Make sure the handle well-fixed and properly clamped to the paint can.
Put sole paint can in the center of the lower tray. Symmetrically put the multi-cans on the lower tray.
The lower tray shall be well-positioned to make sure the lock is fastened.
Only open the door when the equipment is totally stopped.

Emergency Stop Button



Tri-position knob

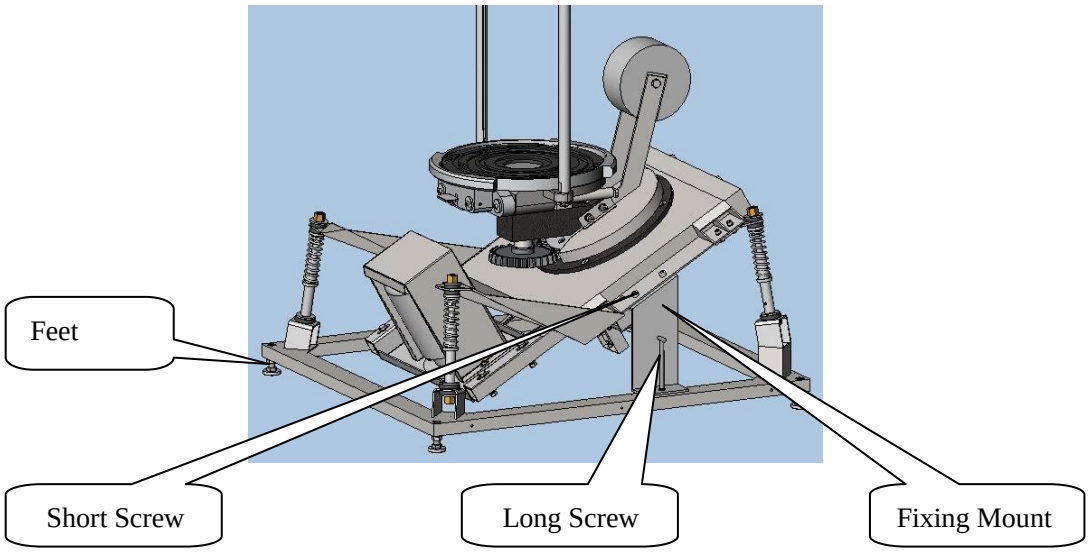
Operation Button

Mixing Time Table		
Knob Position	**Medium and Light Color**	**Dark Color**
1-5L	3 min	5 min
6-10L	2 min	4 min
11-20L	2 min	4 min

Operation Button

VI. Installation

For your safety and convenience, the mixer has been carefully assembled and tested at the factory. Cut bindings and unpack the wooden crate. Adjust the feet to level the machine. **Open the front door panel and remove the transport screw and transport fixing mount.**



VII. Control Panel Buttons

Tri-position Knob

Put the can(s) on the center of the tray and clamp it (them), close the door, turn the knob to the corresponding volume position with the cans.

Medium and light color button

Press down the corresponding button as per the color of paint to be dispensed, the machine begins to operate.

Dark color button

Press down the corresponding button as per the color of paint to be dispensed, the machine begins to operate.

Emergency stop button

Press down the emergency stop button if there is any issue. The machine will cut off the power supply. When restarting the mixer, the emergency stop button needs be rotated clockwise to be reset it.

VIII. Operation

1) Open the equipment door, connect the power, turn on the power switch, press down the locking button, lift the upper plate unit to the top of guide shaft, and rotate the pressing handle to the position of Figure A.

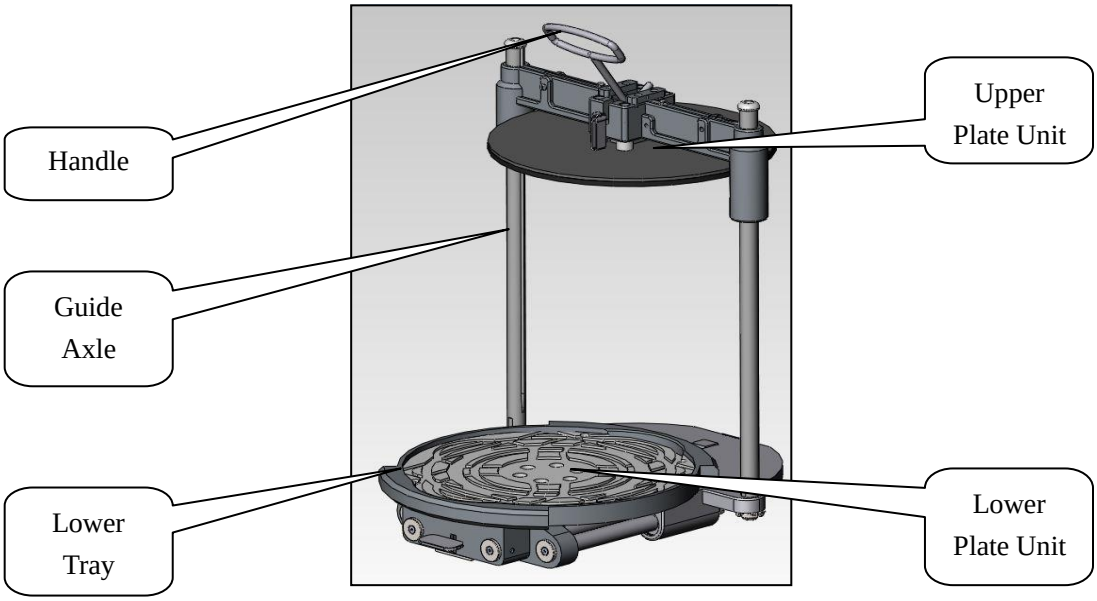


Figure A

2) Pull out the tray. Position the sealed paint can in the center of the lower tray. Push back the tray. Press down the upper plate unit and clamp the paint can (use the binding band to fix the can handle). Rotate and clamp the handle to the position shown in Figure B.
3) Close the machine door. Choose the mixing time.
4) Press down the emergency stop button if there is any issue.

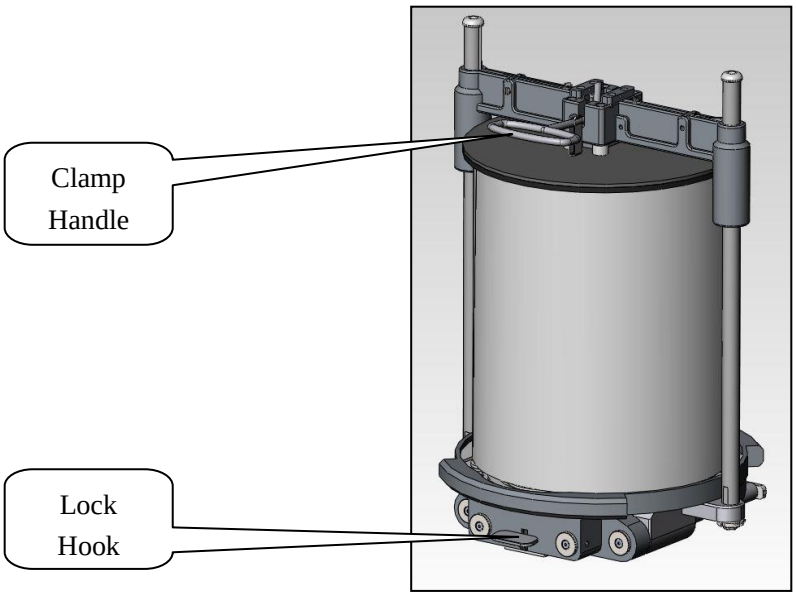


Figure B

5) **Open the door after the mixing is finished and the inner assembly has stopped spinning by lifting the door.** Rotate the can unit to lock it. Release the clamp handle and slide the upper plate unit to the top of the guide axle. Push the lock hood upwards. Pull out the tray after unlocking is done and remove the can(s).

6) Disconnect the power supply when the machine is not used for extended periods of time. It takes 10s after powering on the mixer for it to be ready for mixing.

IX. Warnings

1) Make sure the can lid is sealed well.
2) If there is any issue during the operation, press down the emergency stop button. Restart the machine after solving the problem.
3) Do not use deformed cans in the mixer.
4) Place the can(s) in the center of the lower tray.
5) If the working parts cannot operate or the rotation speed is too low, press the emergency stop button.
6) Only authorized personnel are allowed to dismantle and/or debug the machine.
7) Do not place anything on the door.

X. Maintenance

8) Perform daily maintenance to ensure good condition of the machine. Disconnect the power supply prior to any maintenance (Only authorized personnel are allowed to dismantle the machine).

1） Keep the inside of the mixer clean.
2） Keep the upper plate guide axle clean. Lubricate the guide axle once in a month.
3） Lubricate the guide axle inside the shock absorber unit with lithium grease once in 6 months.
4） Open the back cover and check the tension of the belt once in a year.

XI. Troubleshooting

Troubles	Causes	Solutions
Motor does not operate after starting.	1. No power.	Check the socket and the plug.
	2. Emergency stop switch engaged.	Disengage the emergency stop switch.
	3. Fuse or power line is broken.	Replace the fuse or power line.

	4. Door is not in the correct position.	Adjust the door position to make contact with the door.
	5. Motor damaged.	Replace the motor.
Motor doesn't work	6. Broken belt.	Change it.
	7. Loose belt.	Tension the belt properly.
Instable mixing	8. Over voltage or insufficient voltage.	Install a voltage stabilizer.
Locking device does not operate.	9. Electromagnet damaged.	Replace the electromagnet.
	10. Locking pin is seized.	Adjust the locking pin.
	11. Return spring is broken.	Replace the return spring.
Extreme noise and/or vibration.	12. Mixer is not leveled.	Adjust the feet to level the mixer.
	13. The cans are not centered or even.	Change the position of the can.
	14. Overloading.	Decrease the loading.

Contact your agent if there are any other issues.

XII. Tools

Name & Specifications	Unit	Quantity	Remarks
Binding band of can handle	piece	1	
Philips driver medium	piece	1	
Flat tip screwdriver small	piece	1	
12-14 open wrench	piece	1	
13-16 open wrench	piece	1	
8-10 open wrench	piece	1	
4 mm allen wrench	piece	1	
5 mm allen wrench	piece	1	
Protective tube 5A	piece	1	
Protective tube 12A	piece	1	

XIII. Nameplate

XIV. Circuit Diagram

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